

PAH Summit - Sediment Evaluation Framework
Washington Department of Ecology, 300 Desmond St, Lacey WA
Meeting room - R0A32-34, located in the basement floor of the building
June 6, 2007

9:00 am Introductions and Meeting Purpose – [Stephanie Stirling, Army Corps of Engineers](#)

- Discuss Critical issues around the development of fresh water and marine sediment quality guidelines (SQG) for PAHs to be included in the Sediment Evaluation Framework

9:15 am Topic 1 - Benthic issues which affect calculation of SQGs for sediments - [Introductory presentation by Teresa Michelsen, Avocet Consulting](#):

- Best method of working with existing PAH data (individual PAHs, summed PAHs dry weight vs. oc-normalized vs. molar additivity, bulk petroleum measures)
- Alternative chemistry approaches we could be using (e.g., TPH, VPH/EPH, parent/alkylated PAHs...)
- Alternative bioassay approaches we could be using (e.g., address photosensitivity)
- Reaching consensus on above for recalculation of freshwater and marine SQGs
- Reaching consensus on above for potential future sampling/program modifications

10:30 am Break

11:00 am – Topic 2 - Fish issues which may result in additional/alternative SQGs or TTLs - [Introductory presentation by Lyndal Johnson, NMFS' Northwest Fisheries Science Center](#):

- Endpoints to be assessed/included (e.g., mortality, reproduction, growth... others?)
- Pathways - direct sediment-fish and/or prey uptake more important? on which will we base calculations?
- Chemical/toxicological issues as noted above (e.g., regulate based on individual PAHs or additive?)
- State of the science regarding levels of concern
- Fish TEQs for PAHs?
- Reaching consensus on SQGs for sediments and/or benthic tissue levels

12:30 pm Lunch at WDOE Cafeteria

1:30 pm Topic 3 - Bioaccumulation issues – [Introductory presentation by Jeremy Buck, US Fish and Wildlife Service](#):

- Identify receptors (shellfish or other food items) that accumulate PAHs (or lack the ability to metabolize PAHs)
- Identify upper trophic level receptors (fish, wildlife, and human) that could be exposed to and harmed by consuming prey items containing PAHs
- Discuss TEQ approach to PAHs for assessing risk
- Discuss approach for establishing TTLs in receptors based on individual PAHs and/or TEQs
- Identify potential TTLs for PAHs and when to apply them

3:00 pm General Discussion and Issue Resolution

5:00 pm Adjourn

Note about WDOE Building - Due to security, everyone will need to sign in at the lobby, and be met/escorted to the room. WDOE has reserved up to 30 parking slots, but **carpools are encouraged**. Visitor's parking is visibly marked on the left as you come in, and if it fills, more is available a little further down the driveway.

Link to meeting information -

http://www.nws.usace.army.mil/PublicMenu/Doc_list.cfm?sitename=DMMO&pagename=RSET_PAHs